

**Table 47.** SGI/Cray T3D Timings for *SUPERMOLECULE 1.08*.<sup>(a)</sup>

Benchmark	Basis	# Proc.'s	Heterogen.	Wall Time
Ethylene	6-311++G** <sup>(b)</sup>	64	No	67
		128	No	70
Imidazole	6-311++G* <sup>(c)</sup>	64	No	203
		128	No	133
		256	No	133
18-crown-6	3-21G <sup>(d)</sup>	64	No	270
		128	No	218
		256	No	242
		512	No	271
	6-31G**	128	No	1298
		256	No	1080
		512	No	914
		1024	No	977
		256	Yes	752
		512	Yes	583
aug-cc-pVDZ	256	No	5621	
	512	No	4044	
	1024	No	3553	
	256	Yes	4128	
	512	Yes	2534	
	1024	Yes	2035	

<sup>(a)</sup>All times are in seconds. All runs are single point direct Hartree-Fock calculations.

Heterogeneous runs split the calculation across the C90 and the T3D.

Calculations were run by Dr. Martin Feyereisen of Cray Research, Inc.

<sup>(b)</sup>Total time on a single C90 processor = 20 sec.

<sup>(c)</sup>Total time on a single C90 processor = 679 sec.

<sup>(d)</sup>Total time on a single C90 processor = 1224 sec.